

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Mitsuru KONDO et al.

Serial No. NEW

: Attn: Application Branch

Filed August 14, 2001

: Attorney Docket No. 2001-1086A

ROTARY SHAFT AXIAL ELONGATION  
MEASURING METHOD AND DEVICE

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Prior to examination of the above-referenced U.S. patent application please amend the application as follows:

**IN THE CLAIMS**

**Please amend the claims as follows:**

8. (Amended) A rotary shaft axial elongation measuring device as claimed in Claim 2, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

**Please add the following new claims:**

9. A rotary shaft axial elongation measuring device as claimed in Claim 3, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

10. A rotary shaft axial elongation measuring device as claimed in Claim 4, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

11. A rotary shaft axial elongation measuring device as claimed in Claim 5, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

12. A rotary shaft axial elongation measuring device as claimed in Claim 6, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

13. A rotary shaft axial elongation measuring device as claimed in Claim 7, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

**REMARKS**

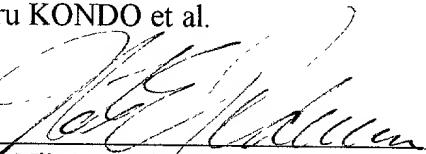
The present Preliminary Amendment is submitted to delete the multiple dependency of the claims, thereby placing such claims in condition for examination and reducing the required PTO filing fee.

Attached hereto is a marked-up version of the changes made to the claims by the current Preliminary Amendment. The attached page is captioned "Version With Markings to Show Changes Made".

Respectfully submitted,

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By



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TO CREDIT ANY DEFICIENCY IN THE  
FEE OR AMOUNT OF FEE DEPOSIT  
ACCOUNT, NUMBER 22-5012

Version with Markings to  
Show Changes Made

2 claimed in Claim 2, wherein said measuring mark is a groove  
3 provided in a spiral shape.

1 7. A rotary shaft axial elongation measuring device as  
2 claimed in Claim 2, wherein said measuring mark is a wire  
3 member fitted in a spiral shape.

1 8. A rotary shaft axial elongation measuring device as  
2 <sup>Claim 2</sup> claimed in any one of Claims 2 to 7, wherein said sensor is  
3 any one of a capacitance type gap sensor, an eddy current gap  
4 sensor and a photoelectric sensor.